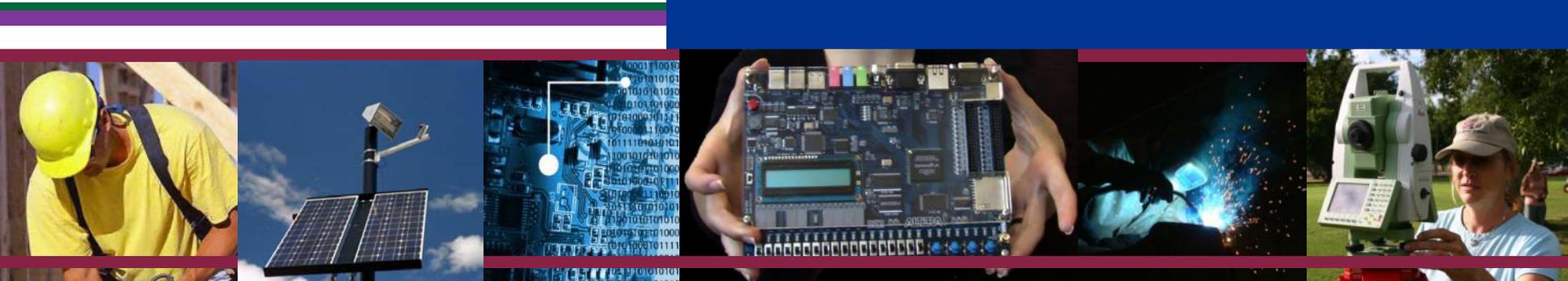




# Engineering Technology & Surveying Engineering

<http://et.nmsu.edu/>



# Our Department

Engineering Technology & Surveying Engineering education places an emphasis on the practical application of engineering principles and methods. Our department not only provides a unique academic program, but also offers students opportunities to engage in creative activities and community outreach with their professors and fellow students.



# Our Mission

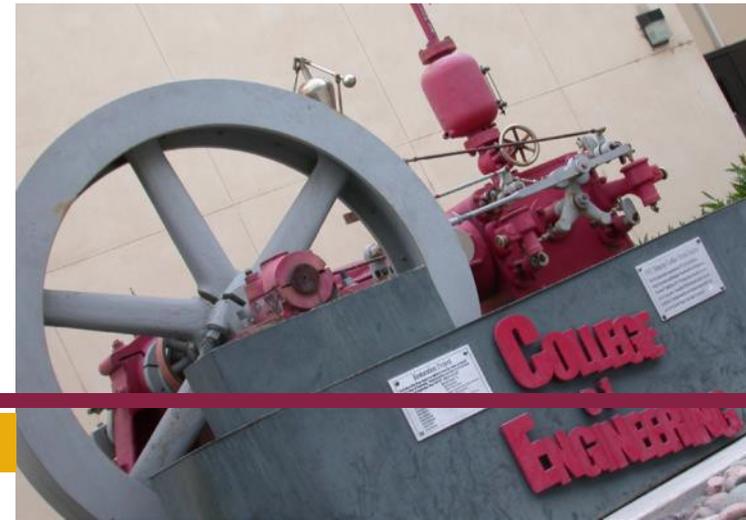
Our Mission is to provide students with a **quality** engineering technology and surveying **education** that **links theory and application**, provides a **rigorous**, fundamental education, and gives students **enhanced career opportunities**.



# Our Mission

## Our goals for supporting this mission:

- to provide educational and social environments that promote and facilitate student learning
- to have a highly respected and visible department
- to foster the development of the department
- to graduate students who are competent and sought after by industry



# Programs

ETSE offers six different programs with a variety of minors and concentrations to enhance the degree.

- Civil Engineering Technology
- Electronics and Computer Engineering Technology
- Information Engineering Technology
- Mechanical Engineering Technology
- Surveying Engineering
- Information and Communication Technology – Distance Education Delivery

# Minors and Concentrations

We also offer six different minors along with four, optional, concentrations.

## Minors

- Digital Electronic Applications
- Information Technologies
- Manufacturing
- Renewable Energy Technologies
- Security Technologies
- Surveying Engineering

## Concentrations

- Construction Technology
- Transportation Technology
- Water/Wastewater Technology
- Renewable Energy Technologies

# Civil Engineering Technology



Civil Engineering Technology utilizes the **application** of engineering fundamentals and basic mathematics to implement current civil engineering practices in **design**, construction, and project management.

# Civil Engineering Technology

Aggies without limits

(formerly Engineers Without Borders)

CET Students assist with design and/or supervise the **construction** of roads, buildings, airports, dams, bridges; and water supply.

- CET offers optional, **concentrations**:
  - **Construction Technology**
  - **Transportation Technology**
  - **Water/Wastewater Technology**
  - **Renewable Energy Technologies**



Solar Distillation

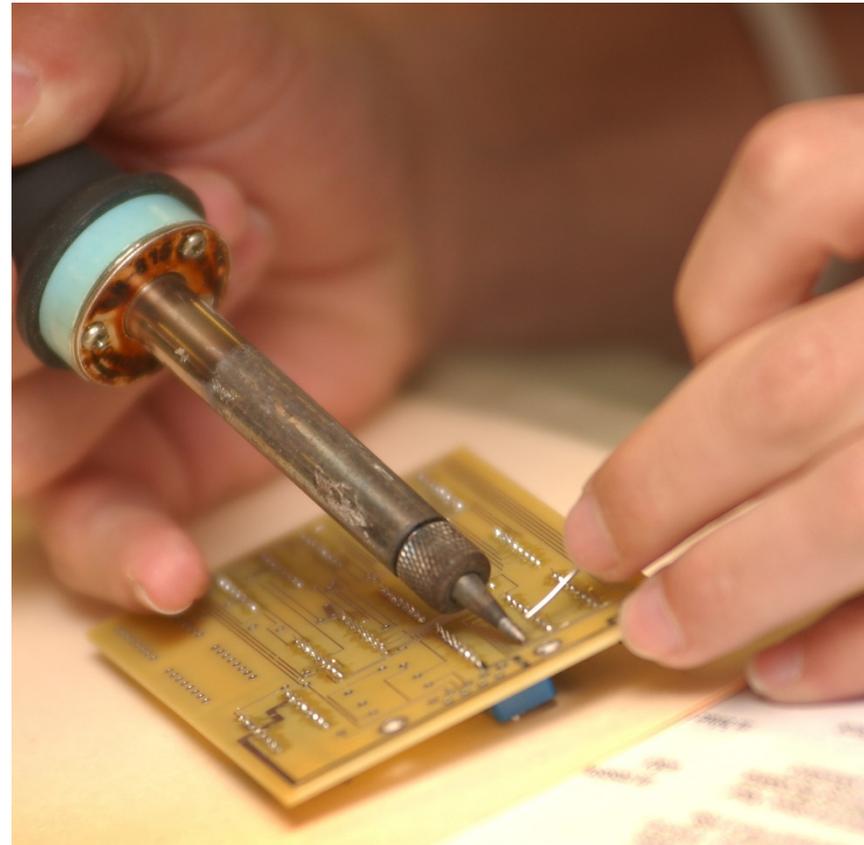
# Civil Engineering Technology



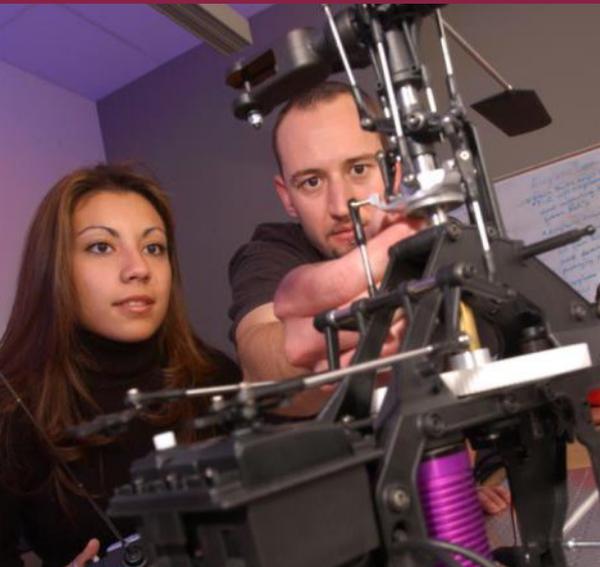
Concrete Canoe Training

# Electronics and Computer Engineering Technology

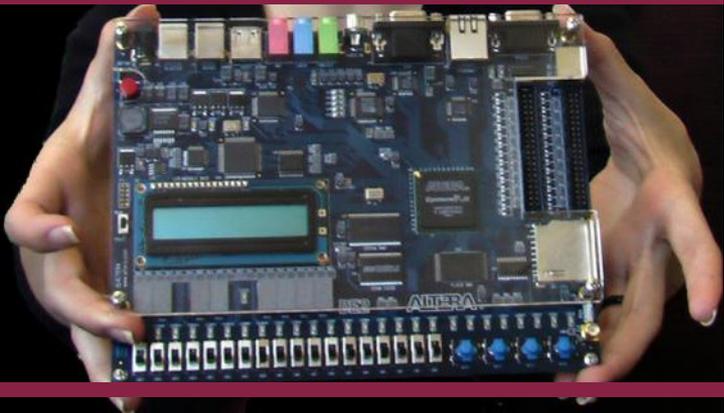
Electronics & Computer  
Engineering  
Technologists are  
responsible for the design,  
**building and testing** of a  
wide range of electronic  
and computer systems.



# Electronics and Computer Engineering Technology



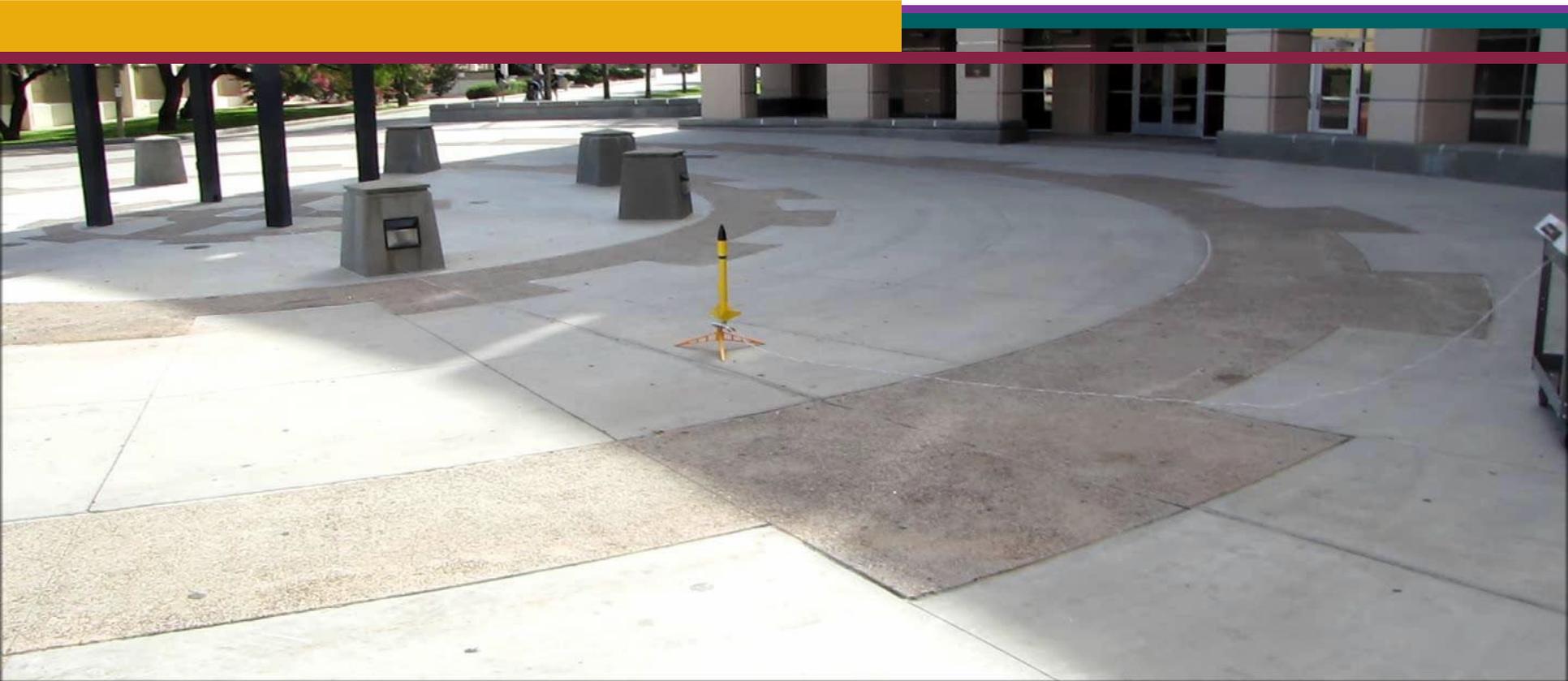
Hands On



ECET Students design, test and build: controlling electronic devices, **computer network security**, computer networking and **electronics communications**.

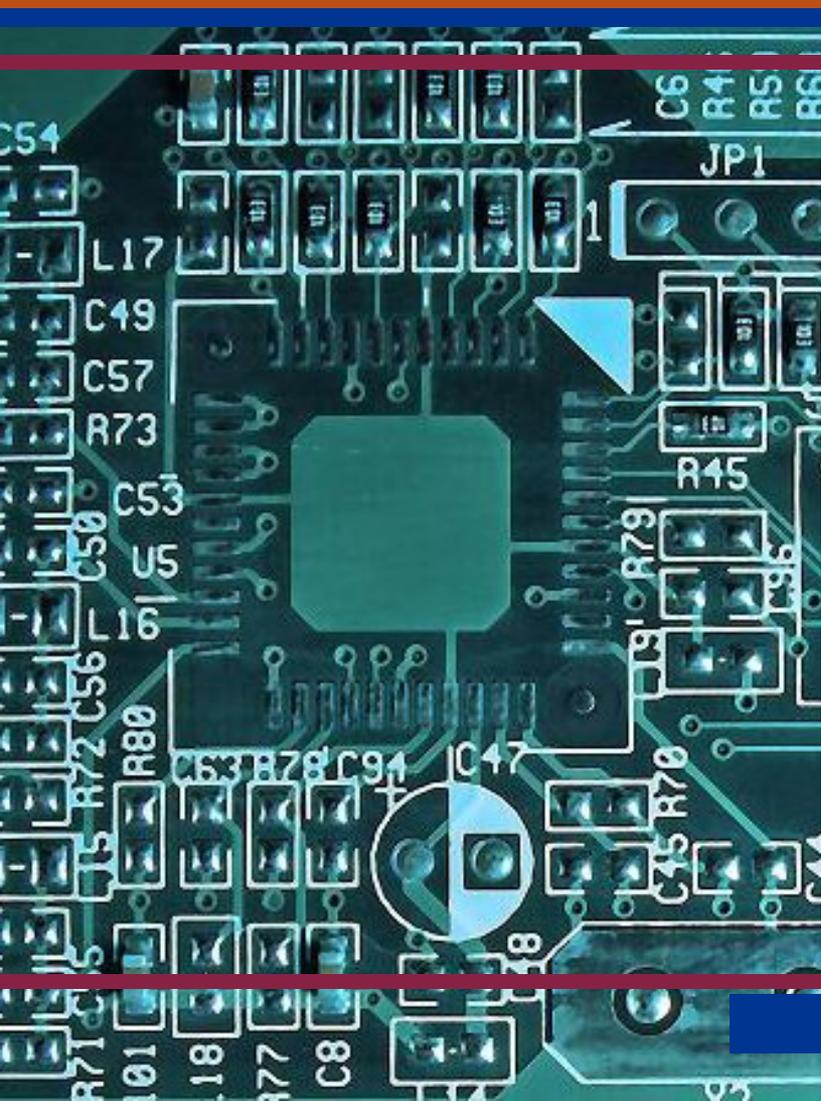
- ECET offers an **optional concentration** in **Renewable Energy Technologies**.

# Electronics and Computer Engineering Technology



Rocket Launch with Atomic Aggies

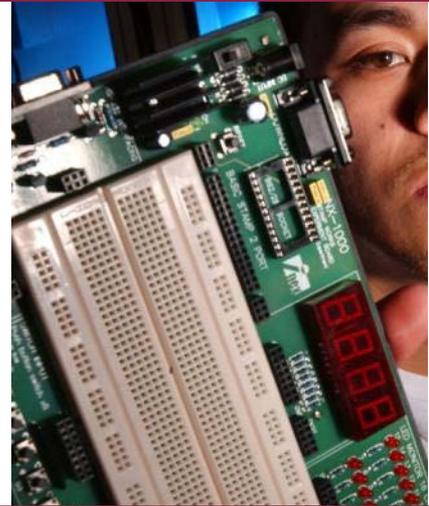
# Information Engineering Technology



Information Engineering  
Technology is the design,  
testing, **development** and  
application of computer  
hardware and software.

# Information Engineering Technology

IET focuses on: **computer forensics**, information security, database management, web page security, and **networking**. **IET Students** learn in real-time, applying the principles of engineering to the current and future needs of **information technology**.



Design Your Network



# Mechanical Engineering Technology

Mechanical Engineering Technology is one of the broadest engineering technology disciplines, from Manufacturing to Renewable Energy Technology.

- MET offers Minors in Renewable Energy or Manufacturing

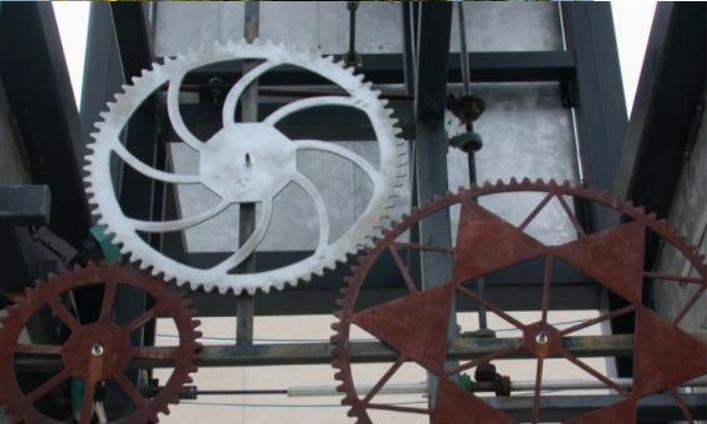


# Mechanical Engineering Technology

Renewable Energy Technology



Our students take courses in **mechanisms** and **machines**, computer aided modeling, **heat transfer**, and instrumentation. By **linking theory and application**, **MET students** take concepts and make them a reality.



Design and Application

# Mechanical Engineering Technology



Mini Baja

# Surveying Engineering



Surveying Engineering involves the application **knowledge** to the analysis, **design**, and execution of surveying and mapping projects and the design of land mapping and information systems.

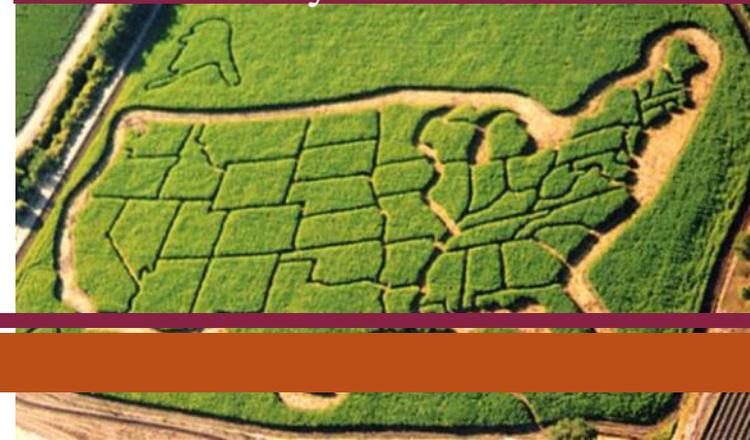
# Surveying Engineering

Whether **defining** the shape of a nation or **determining** the path of a new highway, **our world** is defined through surveying.

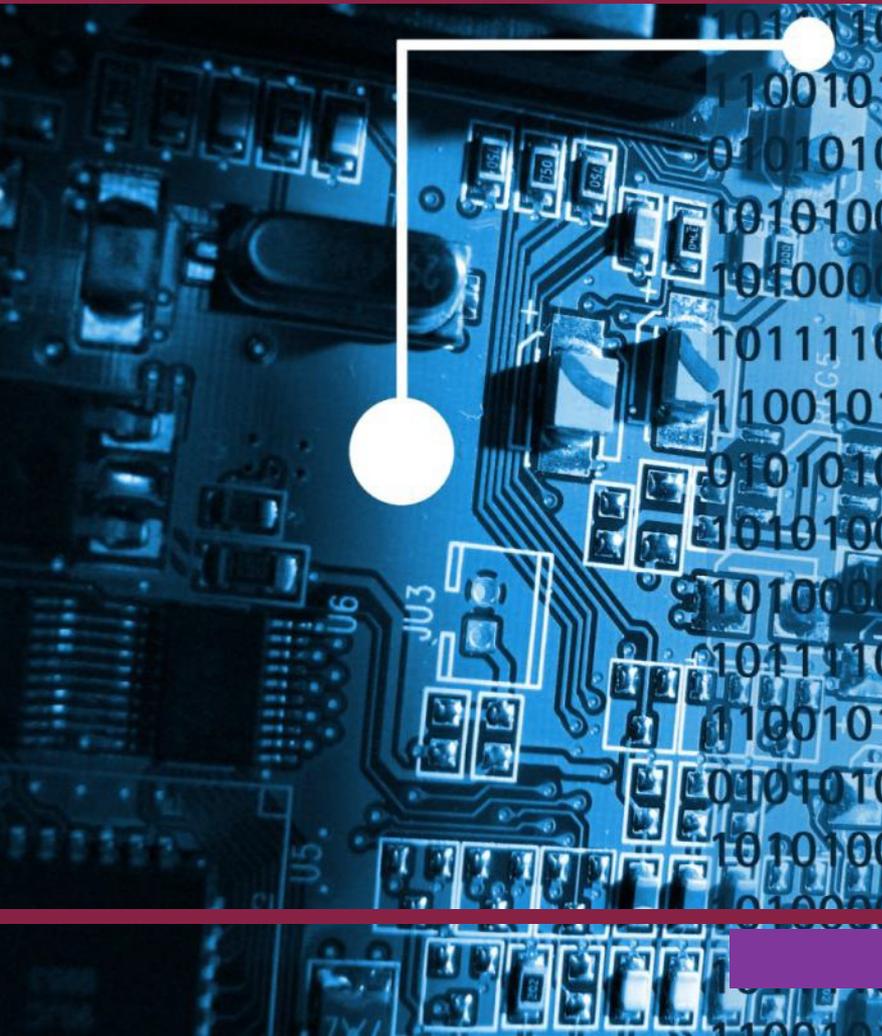
**Surveying Engineers** analyze, design, and execute surveying and **mapping** projects which help to define the world in which we live.



Survey Your World



# Information and Communication Technology



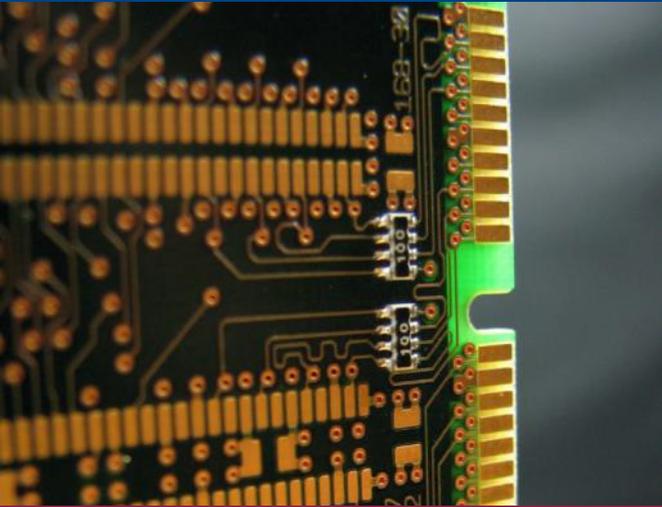
Information and  
Communication  
Technology is a distance  
education degree-  
completion program.

# Information and Communication Technology

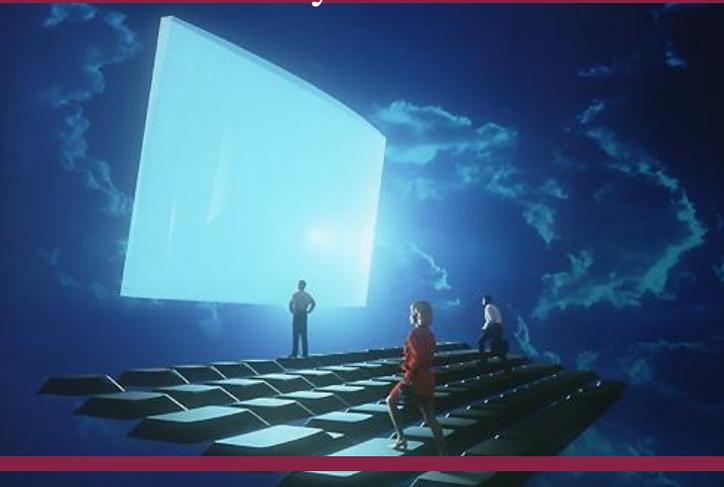
A two-year **distance education** completion degree so you can work **(anywhere in the world)** while earning your degree **on-line**.

Graduates can expect to fill positions with titles such as Information Technologist, Project Manager, Systems or Network Administrator, Computer Support Specialist, and Database Administrator.

# Information and Communication Technology



Pathways to Success



ICT Students study computer hardware, application and operating systems software, system, integration, **database design** and management, networking, and **network security**.

# Our Students

Mesilla Valley Corn Maze



Our students are the technologists, surveyors, and engineers of tomorrow. They are involved in a variety of community and international efforts that not only put their academic but their life experiences to their best use.

Our students help to build a stronger community within and without the department.



Aggies without Limits

# Our Students

Concrete Canoe



Mini Baja

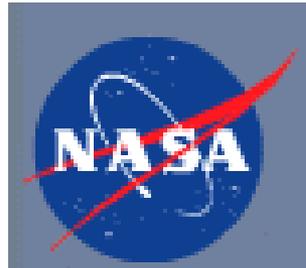
From building bridges in foreign countries with **Engineers Without Borders**; engaging in community projects with student designed and surveyed corn mazes for the annual **The Mesilla Valley Maze**; to designing, building and racing concrete canoes with the **Concrete Canoe Team**; to competing in a Construction bidding competitions with **AGC student chapter**, **our students excel** in rising above and beyond their potential



# Career Opportunities

Just a few for you

**HARRIS**



**Raytheon**

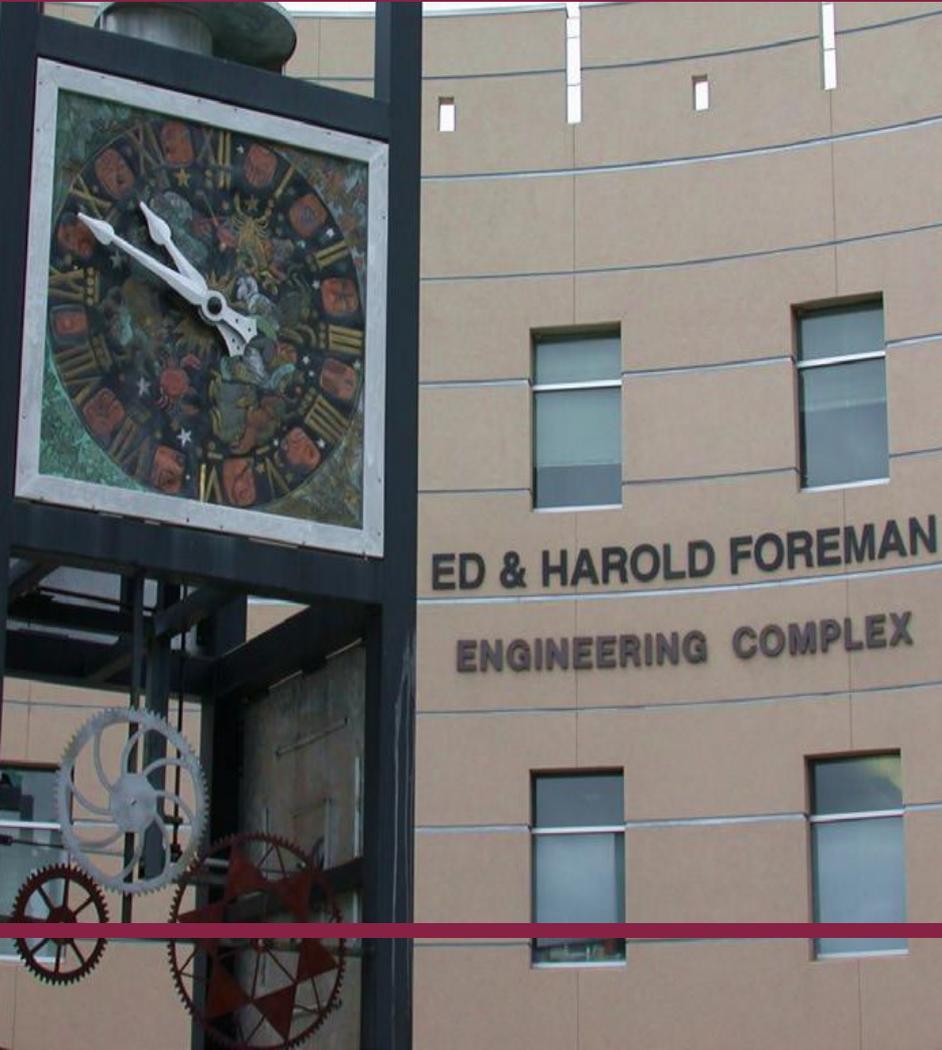


**intel.**

**Honeywell**



# Engineering Technology & Surveying Engineering



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